

21. **Allowable Emissions:** The Permittee shall not allow emissions into the atmosphere to exceed any of the following:

	Daily Emission Limits	Twelve Month Rolling Average Emission Limits
Carbon Monoxide (CO)	1 pound	365 pounds
Oxides of Nitrogen (NO _x)	3 pounds	1095 pounds
Particulates Less than 10 Microns (PM ₁₀)	1 pound	365 pounds
Total Particulates	1 pound	365 pounds
Volatile Organic Compounds (VOCs)	1 pound	365 pounds
Perchloroethylene (PCE)	10 pounds	1877 pounds

The twelve month rolling average shall be calculated at the end of each calendar month by summing the emissions over the most recent twelve calendar months.

The Permittee shall limit the consumption of Perchloroethylene to 22 gallons per month and 139 gallons per year.

22. **Control Parameters:** The Permittee shall only operate a PCE dry to dry cleaning system with refrigerated condenser. All vents from the dry cleaning equipment including all washers, drying tumblers and cabinets, and floor vents will be vented through a refrigerated condenser.
23. **Compliance Reporting:** Immediately after beginning operation the Permittee must send a letter signed by a responsible company official certifying:
- The yearly PCE consumption,
 - Whether or not compliance is being met for these permit conditions, and
 - That all information contained in the statement is correct and accurate.
 - For purposes of this paragraph a responsible company official can be:
 - The president, vice president, secretary, or treasurer of the company that owns the dry cleaning plant.
 - An owner of the dry cleaning plant or
 - The manager of the dry cleaning plant.

24. **Operating and Maintenance Parameters:**

- a. The Permittee shall not operate the dry cleaning facility unless all of the following requirements are satisfied:
1. All washer lint traps, access doors, receiving containers and other parts of this equipment, where PCE may be exposed to the atmosphere, are kept closed at all times except when required for proper operation or maintenance.
 2. Operate and maintain the dry cleaning system according to the manufacturers specifications and recommendations.
 3. The refrigerated condenser: a) shall be operated to not vent or release the air-PCE gas-vapor stream contained within the dry cleaning machine to the atmosphere while the dry cleaning machine drum is rotating, b) shall be operated with a diverter valve, which prevents air drawn into the dry cleaning machine when the door of the machine is open.
 4. The Permittee shall measure the temperature of the vapor stream on the outlet side of the refrigerated condenser weekly with a temperature sensor to determine if it is equal to or less than 7.2°C (45°F). The temperature sensor shall be used according to the manufacturer's instructions and shall be designed to measure a temperature of 7.2°C (45°F) to an accuracy of $\pm 1.1^{\circ}\text{C}(\pm 2^{\circ}\text{F})$.
 5. The Permittee shall calculate the difference between the temperature of the stream entering the refrigerated condenser on a washer and the temperature the stream exiting the refrigerated condenser on the washer weekly to determine the difference is greater than or equal to 11.1°C(20°F).
 - a) Measurements of the inlet and outlet streams shall be made with a temperature sensor. Each temperature sensor shall be used according to the manufacturer's instructions, and designed to measure at least a temperature range from 0°C(32°F) to 48.9°C(120°F) to an accuracy of $\pm 1.1^{\circ}\text{C}(\pm 2^{\circ}\text{F})$
 - b) The difference between the inlet and outlet temperatures shall be calculated weekly from the measured values.
 6. All cartridge-type filters are drained in the filter housing or other sealed container for at least 24 hours before discarding the cartridge.
 7. When removed from dry cleaning equipment for discarding, solvents, filters and still residues shall immediately be placed in sealed containers with no perceptible leaks. All new PCE shall be stored in solvent tanks or solvent containers with no perceptible leaks.
 8. Maintain on-site, a copy of the design specifications and operating manuals for each dry cleaning machine and control device at the facility.

- b. The Permittee shall inspect and maintain the PCE dry cleaning equipment per the following schedule:
 - 1. The Permittee shall inspect the following components bi-weekly for perceptible leaks while the dry cleaning system is operating: 1) hose and pipe connections, fittings couplings and valves; 2) door gaskets and seats; 3) filter gaskets and seats; 4) pumps; 5) solvent tanks and containers; 6) water separators; 7) muck cookers; 8) stills; 9) exhaust dampers; 10) diverter valves; and 11) cartridge filter housings.
 - 2. The Permittee shall repair perceptible leaks within 24 hours. If repair parts must be ordered, either a written or verbal order for those parts shall be initiated within two (2) days of detecting a leak. Such repair parts must be installed within five (5) working days of receipt.
- c. The Permittee shall make the following checks weekly:
 - 1. Maintain records of date of checks and temperature recorded. The sample MONITORING LOG FOR REFRIGERATED CONDENSER may be copied and used for this purpose. (Form F1 attached)
 - 2. If parameters are not within limits, adjustments and repairs must be made. Parts must be ordered within two working days of detection and must be installed within five working days after receipt.

25. Record Keeping:

- a. The Permittee shall maintain the following records and logs on site for a period of five (5) years and show them upon request:
 - 1. The volume of PCE purchased each month by the Permittee as recorded from PCE purchases; if no PCE is purchased during a given month then the Permittee will enter zero into the log. Copies of forms E1 and E2 (attached) may be copied and used for this purpose.
 - 2. The dates when the system components are inspected for perceptible leaks, and the name or location of the system components where perceptible leaks are detected. Form D (attached) may be copied and used for this purpose.
 - 3. The dates of repair and records of written or verbal orders for repair parts. Form D (attached) may also be used for this purpose.
 - 4. The calculation and result of the yearly PCE consumption determined on the first day of each month.
 - 5. The date and temperature sensor monitoring results.
- b. The Permittee shall perform the following on the first working day of every month:

1. Sum the volume of PCE purchases made in each of the previous twelve (12) months as recorded in form E1 or E2. This is the yearly PCE consumption for the facility.
2. If no purchases were made, record that as zero gallons purchased.